

APPLICATION FOR PERMIT  
TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Date of filing in State Engineer's Office JUN 10 1980  
Returned to applicant for correction SEP 18 1980  
Corrected application filed \_\_\_\_\_  
Map filed SEP 15 1980

The applicant Hydrothermal Energy Corporation  
6525 Sunset Blvd. Suite 203, of Los Angeles,  
Street and No. or P.O. Box No. City or Town  
Californin 90028, hereby make<sup>s</sup> application for permission to appropriate the public  
State and Zip Code No.  
waters of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorporation; if a copartnership or association, give names of members.) Hydrothermal Energy Corp. was  
Incorporated in the State of Delaware in May 1978

1. The source of the proposed appropriation is underground  
Name of stream, lake or other source.
2. The amount of water applied for is 2.5 second-feet  
One second-foot equals 448.83 gals. per min.  
(a) If stored in reservoir give number of acre-feet \_\_\_\_\_ acre-feet
3. The water to be used for geothermal  
Irrigation, power, mining, manufacturing, domestic, or other use. Must limit to one use.
4. If use is for:
  - (a) Irrigation (state number of acres to be irrigated) \_\_\_\_\_
  - (b) Stockwater (state number and kinds of animals to be watered) \_\_\_\_\_
  - (c) Other use (describe fully under "No. 12. Remarks") \_\_\_\_\_
  - (d) Power:
    - (1) Horsepower developed \_\_\_\_\_
    - (2) Point of return of water to stream \_\_\_\_\_
5. The water is to be diverted from its source at the following point: NE¼ SE¼ of Section 23, T19, N, R19, E,  
M.D.B.+M. at a point which bears S 15° 30 minutes E at a distance of 1400 feet  
Describe as being within a 40-acre subdivision of public survey, and by course and distance to a section corner. If an unsurveyed land, it should be stated.  
from the SouthEast corner of said Section 23.
6. Place of use Portion of the South East ¼ of section 23, T.19,N.,R.19,E. M.D.B.+M.  
Describe by legal subdivision, if on unsurveyed land it should be so stated.
7. Use will begin about January 1st and end about December 31st, of each year.  
Month and Day Month and Day
8. Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and specifications of your diversion or storage works.) Water to be diverted from well equipped  
with pump, and transported to Heat Exchangers + returned to ground via pipes.  
State manner in which water is to be diverted, whether by dam or other works, whether through pipes, ditches, flumes, or other conduits.

9. Estimated cost of works \$50,000.00
10. Estimated time required to construct works 2 years
11. Estimated time required to complete the application to beneficial use 5 years
12. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use.

(0) - Zero Acre-feet consumptive use. Water is to be returned to same zone from which is is extracted.

Applicant Hydrothermal Energy Corporation

By s/Marc N. Pack  
Marc N. Pack  
1020 Humboldt #7  
Reno, Nevada 89509

Compared bc/bl gk/bc

APPROVAL OF STATE ENGINEER

This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions:

This permit is issued subject to existing rights. It is understood that the amount of water herein granted is only a temporary allowance and that the final water right obtained under this permit will be dependent upon the amount of water actually placed to beneficial use. It is also understood that this right must allow for a reasonable lowering of the static water level. If the well is flowing, a valve must be installed and maintained to prevent waste. Accurate measurements must be kept of water placed to beneficial use. This source is located within an area designated by the State Engineer, pursuant to NRS 534.030. The State retains the right to regulate the use of the water herein granted at any and all times.

The well is to be cemented from the producing levels to the surface to protect fresh water zones.

This permit is issued subject to the condition that only geothermal fluids are to be diverted and used beneficially for heating purposes only and fresh, cold water aquifers are not to be diverted.

The used geothermal fluids are to be returned to the source.

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and not to exceed 2.5 cubic feet per second, but not to exceed a total of 75 million gallons annually.

Actual construction work shall begin on or before N/A

Proof of commencement of work shall be filed before N/A

Work must be prosecuted with reasonable diligence and be completed on or before August 20, 1982

Proof of completion of work shall be filed before September 20, 1982

Application of water to beneficial use shall be made on or before August 20, 1985

Proof of the application of water to beneficial use shall be filed on or before September 20, 1985

Map in support of proof of beneficial use shall be filed on or before \_\_\_\_\_

Commencement of work filed \_\_\_\_\_ IN TESTIMONY WHEREOF, I PETER G. MORROS  
 Completion of work filed \_\_\_\_\_ State Engineer of Nevada, have hereunto set my hand and the seal of  
 Proof of beneficial use filed \_\_\_\_\_ my office, this 20th day of AUGUST  
 Cultural map filed \_\_\_\_\_  
 Certificate No. \_\_\_\_\_ Issued \_\_\_\_\_

A.D. 19 81

Peter G. Morros  
 State Engineer

CANCELLED DEC 27 1993 BECAUSE OF FAILURE OF APPLICANT TO COMPLY WITH THE PROVISIONS OF PERMIT

STATE ENGINEER